

DERWENT-ACC-NO: 1996-207763

DERWENT-WEEK: 199621

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TITLE: Compsn. for detecting antibodies to HIV-1 and
HIV-2 - contains a set of recombinant antigens
synthesised by E.coli cells transformed by env1, gag1, pol1,
pol-int1 and env2 genes

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PATENT-ASSIGNEE: BIOSERVIS BIOTECHN CO[BIOSR]

PRIORITY-DATA: 1992SU-5025679 (January 5, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN- IPC		
RU <u>2043411</u> C1	September 10, 1995	N/A
007 C12N 015/48		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
RU 2043411C1	N/A	1992SU-5025679
January 5, 1992		

INT-CL (IPC): C12N015/48

ABSTRACTED-PUB-NO: RU 2043411C

BASIC-ABSTRACT:

A compsn. for detecting antibodies to HIV-1 and HIV-2 contains a set of recombinant antigens synthesised in E. coli cells transformed using recombinant DNA comprising fragments of one or more of the following HIV genes: env 1, gag 1, pol 1, pol-int 1 and env 2. E. coli beta galactosidase may be used as control antigen.

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 16:12:42 ; Search time 55 Seconds
(without alignment)
205.489 Million cell updates/sec

Title: US-09-515-014A-3
Perfect score: 217

Sequence: 1 KIQNFRVYYRDRSDPLWKPAKLWKGEGAVVVIQDNNSDIK 40

Scoring table: BLOSUM62

Gappp 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : A_Geneseq_29Jan04:*

- 1: Geneseqp1908:*
- 2: Geneseqp1990s:*
- 3: Geneseqp2000s:*
- 4: Geneseqp2018:*
- 5: Geneseqp2002s:*
- 6: Geneseqp2003s:*
- 7: Geneseqp2003D8:*
- 8: Geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	217	100.0	282	2	AAR91824		Aar1824 Human imm
2	217	100.0	282	5	AAW4432		Aao1432 Hybrid HI
3	217	100.0	288	5	AAO21412		Aao1412 Human imm
4	217	100.0	288	5	AAO21424		Aao1424 Human imm
5	217	100.0	288	7	ADE29022		Ade29022 HIV-1
6	217	100.0	902	3	AAB12995		Aab12995 HIV-1 rev
7	217	100.0	1003	1	AAP60420		Aap0420 Sequence
8	217	100.0	1003	1	AAP70861		Aap0861 Sequence
9	217	100.0	1003	3	AAB63284		Aab63284 HIV-1 non
10	217	100.0	1003	5	AAQ12187		Aaq12187 Lymphaden
11	217	100.0	1003	6	ABR55489		Abr55489 Amino aci
12	217	100.0	1012	6	ABU63125		Abu63125 Human lym
13	217	100.0	2033	2	AAR08056		Aar08056 HIV-1 pol
14	217	100.0	3033	7	ADA49379		Ada49379 Lymphaden
15	215	99.1	106	2	AAY05626		Aay05626 HIV-1 gro
16	215	99.1	288	5	AAQ21414		Aaq21414 Human imm
17	215	99.1	288	5	AAQ21421		Aaq21421 Human imm
18	215	99.1	982	2	AAR03101		Aar03101 Sequence
19	215	99.1	995	5	AAU84391		Aau84391 HIV POL C
20	215	99.1	998	6	AAB37601		Aab37601 HIV-1 sub
21	215	99.1	1000	3	AAB63282		Aab63282 HIV-1 non
22	215	99.1	1003	3	AAB69288		Aab69288 HIV-1 non
23	215	99.1	1003	3	AAB63287		Aab63287 HIV-1 non
24	215	99.1	1005	3	AAB69289		Aab69289 HIV-1 non
25	214	98.6	288	4	AAB49616		Aab49616 HIV-1 int

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ALIGNMENTS

RESULT 1
ID: AAR91824 standard; protein; 282 AA.

AAC21410 Human imm
Aao21429 Human imm
AAB37437 HIV-1 int
Aar08057 HIV-1 pol
Aab10047 HIV-1 pol
Aay70600 Wild type
Aay70602 Codon opt
Aay70601 Corrected
Aao21426 Human imm
Aar13786 HIV multi
Aar12256 HIV multi
Aao18860 Protein w
Aao18861 Protein w
Aao21413 Human imm
Aao21415 Human imm
Aao21427 Human imm
Aao21428 Human imm
Aao21418 Human imm
Aao21417 Human imm
Aao21416 Human imm

Human immunodeficiency virus pol-int 1 antigen.

Recombinant antigen; antibody detection; HIV-1; AIDS;

recombinant DNA; env 1; gag 1; pol 1; pol-int 1; env 2;

KW transformed E. coli.

Human immunodeficiency virus.

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Human immunodeficiency virus.

Sequence 282 AA;
Match 100.0% ; Score 217; DB 2; Length 282;